

Summary of DAT Conference Call 6/19/2007

Participants: EChappell (DWR), RGartz(DFG), JSnow(WWD), THinojosa(DWR), MGuerin(CCWD), JSpeegle(FWS), ASandhu(DWR), TSwanson(BI), TBoardman(SLDMWA), CKao(SCVWA), BOppenheimer(NOAA), MFord(DWR), JLeighigh(DWR), PManza(BR)

Conclusions and Recommendations

There were no new operational recommendations today.

20mm Survey Update – DFG started Survey 8 this week. DFG caught approximately 6 delta smelt in Survey 7 for a total number of 39 larval delta smelt so far this season. This the lowest total on record for this time period. The results from the 20mm surveys are posted at <http://www.delta.dfg.ca.gov/data/20mm/>.

DSWG Update – The DSWG met yesterday, 6/18, and reviewed the latest delta conditions and salvage data. In accordance with the delta smelt decision chart the DSWG will recommend that the Projects operate to as close to zero net Old and Middle river flow as possible.

General Discussion(s) – There was some confusion regarding the calculation of the DSWG temperature criterion being used in the delta smelt decision chart. During the call, members of the DAT group gave conflicting values ranging from 24.3 to 25.3C. The DAT group requests a clarification on how the temperature criterion is calculated by the DSWG, especially in regards to station codes and time period.

After the DAT call Victoria Poage provided the list of stations and the equation used by the DSWG. The stations are Holland Tract (HLL), Prisoner's Point (PPT) and Victoria Island (VIC). Originally the DSWG was going to use Victoria Canal but the gauge was not operating so they switched to Victoria Island. The 3-station average is calculated by calculating the six-hour average from 1300-1800 at each of the three stations, then "averaging the average". The equation used to calculate the 3-station average is:
$$\text{Avg}[\text{Avg}(\text{HLL}1300:1800)\text{Avg}(\text{PPT}1300:1800)\text{Avg}(\text{VIC}1300:1800)].$$

Next DAT Conference Call Tuesday, 6/26/2007, 9:00 am - 11:00 am. Phone number – 916/657-4111.

Delta Smelt Monitoring

Summer Tow Net Survey Update – DFG completed the first tow net survey last week. Survey 2 will begin next week.

20mm Survey Update – DFG started Survey 8 this week. DFG caught approximately 6 delta smelt in Survey 7 for a total number of 39 larval delta smelt so far this season. This the lowest total on record for this time period. The results from the 20mm surveys are posted at <http://www.delta.dfg.ca.gov/data/20mm/>.

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Chinook Monitoring

Upper Sacramento River Summary – the Mill Creek trap was pulled on June 15th due to concerns about post-release mortalities. Water temperature has increased to the mid-70's last week. Fry/smolt Chinook were still being caught at Red Bluff Diversion Dam (RBDD), Mill Creek, GCID, and in very low numbers in the Knight Landing rotary screw traps. Steelhead were caught in both the RBDD and Mill Creek traps. One winter-run length Chinook was caught in the RBDD rotary screw traps which is rare for June.

Delta Monitoring Summary - Sampling was suspended at Chipps Island and was restricted in the North Delta beach seine to protect delta smelt last week. Fry/smolt Chinook were caught in both the Sacramento River and Mossdale trawls. One steelhead was also caught in the Sacramento River trawl. No Chinook were caught in the beach seining. DFG Region 4 finishing at Mossdale this week. FWS will resume sampling 3 days per week.

Salvage Facilities –

Summary – SWP increased exports starting on June 17th. Delta smelt salvage increased at both Facilities. Fry/smolt Chinook loss remained low last week and no in-river steelhead were salvaged.

Chinook – No winter-run length Chinook were lost at either Facility in the last week. To date, the season total at the CVP is 1555 and the season total is 1742 at the SWP.

Steelhead – No steelhead were salvaged at either Facility in the last week. The combined salvage of in-river steelhead is 2774 for the season. The incidental take level is 3000.

Delta smelt – SWP salvaged 252 delta smelt for a season total of 491. CVP salvaged 60 delta smelt for a season total of 336.

Splittail – CVP salvaged 96 splittail for a season total of 384.

Longfin smelt – SWP salvaged 3 longfin for a season total of 51.

Sturgeon – None.

The DFG Salvage Database can be accessed at this ftp site:
<ftp://ftp.delta.dfg.ca.gov/salvage/>.

Turbidity data for Clifton Court forebay is available at:
<http://cdec2.water.ca.gov/cgi-progs/queryFx?CLC>.

Agricultural Barriers

HORB – The barrier has been completely removed.

Ag barriers –The flap gates were untied on all the ag barriers on June 15th and are operating tidally.

The weekly updates on barrier operations are now available at:
http://baydeltaoffice.water.ca.gov/sdb/tbp/index_tbp.cfm.

Operations

SWP -

CCFB – 1,000 cfs.

Oroville – 4,500 cfs. Releases were increased to support export and delta outflow.

X2 – 14-day ~ 81km

E/I - 3-day = 25.3%.

San Luis - ~445 taf. SWP share of San Luis capacity is 1,062 taf.

EWA - No update.

CVP -

Tracy PP – 3500 cfs.

DCC – Open.

Trinity – 650 cfs. Releases will ramp down to 450 cfs by June 25th.

Clear Creek – 150 cfs.

Keswick – 13,000 cfs. Releases were increased to support exports and delta outflow.

Nimbus – 4,000 cfs. Releases were increased to support exports and delta outflow.

Goodwin – 400 cfs.

Merced – 295 cfs. Releases were increased by 1,000cfs from June 9th to June 17th to support San Joaquin River flows at Vernalis.

San Luis – 246 taf. CVP share of San Luis capacity is 966 taf.

Flows

Sacramento River at Freeport ~ 12,880 cfs and increasing.

Fremont Weir ~ 0.

San Joaquin River at Vernalis ~ 1,960 cfs and decreasing.

Delta Outflow ~ 7,500 cfs. The 3-day average is 6,785 cfs.

Old and Middle Rivers ~ combined -2,420 cfs as of 6/16/07; 5-day average is -2,165 cfs.

Delta Water Quality

Water quality is okay and salinity is below concern levels. The Collinsville X2 standard is currently being met by the 14-day EC.

June Water Quality Standards

Collinsville X2 standard – The standard must be met for the full 30 days by a maximum daily EC of 2.64, a maximum 14-day running average EC of 2.64 or 3-day outflow of 7,100cfs.

Chippis Island X2 standard – The standard must be met for 0 days by a maximum daily EC of 2.64, a maximum 14-day running average EC of 2.64 or 3-day outflow of 11,400cfs.

Port Chicago was not triggered for May.

E/I Ratio – $\leq 35\%$.

Contra Costa Canal – CI ≤ 250 mg/L. In addition, CI ≤ 150 mg/L for 165 days per year. This portion of the standard has been met for 151 days so far.

Western Delta – EC ≤ 0.45 at Emmaton and Jersey Point until June 15th. This standard has been met. After June 15, Emmaton EC must be less than or equal to 1.67 and Jersey Point EC must be less than or equal to 1.35. The San Andreas station will change from 0.45 to 0.58 on 6/25. The objective at Mokelumne River at Terminous remains 0.45 EC or less through August 15.*

South Delta – 30-day average EC ≤ 0.7

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